

Applicants: Sukumar et al.
Application No.: 10/059,579
Filed: January 28, 2002
Page 5

Please amend SEQ ID NOS: 124 and 125 in Table 4 as follows:

SEQ ID NO:	Gene	Sense/ antisense		
1	WT	Sense	5'-GCGGCGCAGTTCCCCAACCA-3'	nucleotides 882-901
2	WT	antisense	5'-ATGGTTTCTCACCAGTGTGCTT-3'	nucleotides 1416-1437
3	WT	Sense	5'-GCATCTGAAACCAGTGAGAA-3'	nucleotides 1320-1339
4	WT	antisense	5'-TTTCTCTGATGCATGTTG-3'	nucleotides 1685-1702
5	WT	Sense	5'-GATTGGCTACCCAACTGTTGCA-3'	
6	WT	antisense	5'-CAGGGGCAGCAGCCACAAAGGC-3'	
7	WT	sense	5'-TTTGGGTAAAGTTAGGCGTCGTCG-3'	
8	WT	antisense	5'-ACACTACTCCTCGTACGACTCCG-3'	
9	WT	sense	5'-TTTGGGTAAAGTTAGGTGTTGTTG-3'	
10	WT	antisense	5'-ACACTACTCCTCATACAACTCCA-3'	
11	WT	sense	5'-CGTCGGGTGAAGGCGGGTAAT-3'	
12	WT	antisense	5'-CGAACCCGAACCTACGAAACC-3'	
13	WT	sense	5'-TGTTGGGTGAAGGTGGGTAAT-3'	
14	WT	antisense	5'-CAAACCCAAACCTACAAAACC-3'	
15	cyclin D2	sense	5'-CATGGAGCTGCTGTGCCACG -3'	
16	cyclin D2	antisense	5'-CCGACCTACCTCCAGCATCC -3'	
17	cyclin D1	sense	5'-AGCCATGGAACACCAGCTC-3'	
18	cyclin D1	antisense	5'-GCACCTCCAGCATCCAGGT-3'	
19	cyclin D2	sense	5'-GATTGGCTAC CCAACTGTTGCA-3'	
20	cyclin D2	antisense	5'-CAGGGGCAGCAGCCACAAAGGC-3'	
21	cyclin D2	sense	5'-GTTATGTTATGTTTGTGTATG-3'	unmethylated
22	cyclin D2	antisense	5'-GTTATGTTATGTTTGTGTATG-3'	unmethylated
23	cyclin D2	sense	5'-TACGTGTTAGGGTCGATCG-3'	methylated
24	cyclin D2	antisense	5'-CGAAATATCTACGCTAAACG-3'	methylated
129	cyclin D2	sense	5'-TATTTTTTGTAAAGATAGTTTTGAT-3'	External
130	cyclin D2	antisense	5-TACAACCTTTCTAAAAATAACCC-3'	External
25	14.3.3 sigma	sense	5'-ACAGGGGAACCTTATTGAGAGG-3'	A 375 bp σ -specific probe
26	14.3.3 sigma	antisense	5'-AAGGGCTCCGTGGAGAGGG-3'	(SEQ ID NO:26)
27	14.3.3 sigma	sense	5'-GAGGAGTGTCCCGCCTTGTGG-3'	A TG repeat sequence in the 3'UTR of σ
28	14.3.3 sigma	antisense	5'-GTCTCGGTCTTGCACCTGGC3'	

Applicants: Sukumar et al.
Application No.: 10/059,579
Filed: January 28, 2002
Page 6

SEQ ID NO:	Gene	Sense/ antisense		
29	14.3.3 sigma	sense	5'-GTGTGTCCCCAGAGCCATGG-3'	A 1.2 kb PCR product, encompassing the entire σ coding sequence, was generated using two primers
30	14.3.3 sigma	antisense	5'-GTCTCGGTCTTGCACTGGCG-3'	(antisense; SEQ ID NO:30)
31	14.3.3 sigma	antisense	5'-CACCTTCTCCCGGTACTCACG-3'	entire σ coding sequence:
32	14.3.3 sigma	sense	5'-GAGCTCTCCTGCGAAGAG-3'	entire σ coding sequence:
33	14.3.3 sigma	sense	5'-GAGGAGGCCATCCTC TCTGGC-3'	entire σ coding sequence:
34	14.3.3 sigma	antisense	5'-TCCACAGTGTGAGGTTGTCTCG-3'	entire σ coding sequence:
35	14.3.3 sigma, first exon	sense	5'-GAGAGAGTTAGTTTGATTTAGAAG-3'	start at nt 8641 generates a 474 bp PCR product
36	14.3.3 sigma	antisense	5'-CTT ACTAATATCCATAACCTCC-3'	(antisense primer with start at nt 9114;
37	14.3.3 sigma	sense	5'-TGGTAGTTTTTATGAAAGGCGTC-3'	methylated DNA
38	14.3.3 sigma	antisense	5'-CCTCTAACCGCCCAACACG-3'	

Applicants: Sukumar et al.
Application No.: 10/059,579
Filed: January 28, 2002
Page 7

SEQ ID NO:	Gene	Sense/antisense		
39	14.3.3 sigma	sense	5'-ATGGTAGTTTTTATGAAAGGTGTT-3'	unmethylated DNA
40	14.3.3 sigma	antisense	5'-CCCTCTAACCACCCACCACA-3'	
41	14.3.3 sigma	sense	5'-GTGTGTCCCCAGAGCCATGG-3'	PCR was performed using the σ -specific primers
42	14.3.3 sigma	antisense	5'-ACCTTCTCCCGGTACTCACG-3'	
43	RAR β	sense	5'-AGA GTT TGA TGG AGTTGG GTG GAG-3'	227 bp probe was amplified
44	RAR β	antisense	5'-CAT TCG GTT TGGGTC AAT CCA CTG-3'	
45	RAR β	sense	5'-CAGCCCGGGTAGGGTTCACC-3'	W3
46	RAR β	antisense	5'-CCGGATCCTACCCCGACGG-3'	W3
47	RAR β	sense	5'-CCGAGAACGCGAGCGATCC-3'	W4
48	RAR β	anti-sense	5'-GGCCAATCCAGCCGGGGCG-3'	W4
49	RAR β	sense	5'-GTG GGT GTA GGT GGA ATA TT-3'	unmethylated DNA were as follows: U1
50	RAR β	antisense	5'-AAC AAA CAC ACA AAC CAA CA-3'	U1
51	RAR β	sense	5'-TGT GAG TTA GGA GTA GTG TTTT-3'	U2
52	RAR β	antisense	5'-TTC AAT AAA CCC TAC CCA-3'	U2
53	RAR β	sense	5'-TTA GTA GTT TGG GTA GGGTTT ATT-3'	U3
54	RAR β	antisense	5'-CCA AAT CCT ACC CCAACA-3'	U3
55	RAR β	sense	5'-GAT GTT GAG AAT GTGAGT GAT TT-3'	U4
56	RAR β	antisense	5'-AAC CAA TCC AACCAA AAC A-3'	U4
57	RAR β	sense	5'-AGC GGGCGT AGG CGG AAT ATC-3'	methylated M1
58	RAR β	antisense	5'-CAACGA ACG CAC AAA CCG ACG-3'	M1
59	RAR β RAR β	sense	5'-CGT GAG TTA GGA GTA GCG TTT C-3'	M2
60	RAR β	antisense	5'-CTT TCG ATA AAC CCT ACC CG-3'	M2
61	RAR β	sense	5'-GGT TAG TAG TTC GGG TAG GGTTC TC-3'	M3

Applicants: Sukumar et al.
Application No.: 10/059,579
Filed: January 28, 2002
Page 8

SEQ ID NO:	Gene	Sense/ antisense		
62	RAR β	antisense	5'-CCG AAT CCT ACC CCGACG-3'	M3
63	RAR β	sense	5'-GTC GAG AAC GCG AGCGAT TC-3'	M4
64	RAR β	antisense	5'-CGA CCA ATC CAA CCGAAA CG-3'	M4
65	RAR β	sense	5'-GAC TGT ATG GAT GTTCTG TCA G-3'	RT \pm PCR exon 5
66	RAR β	antisense	5'-ATT TGTCCT GGC AGA CGA AGC A-3'	exon 6
133	RAR β	sense	5'-GTAGGAGGGTTTATTT TTTGTT-3'	External
134	RAR β	antisense	5'-AATTACATTTTCCAAACTTACTC-3'	External
135	RAR β	sense	5'-GGATTGGGATGTTGAGAATGT-3'	Methylated
136	RAR β	antisense	5'-AACCAATCCAACCAAAACAA-3'	Methylated
92	RAR β	sense	5'-GGATTGGGATGTTGAGAATGT-3'	Unmethylated
93	RAR β	antisense	5'-CAACCAATCCAACCAAAACAA-3'	Unmethylated
67	Actin	sense	5'-ACC ATG GAT GAT GAT ATCG-3'	RT \pm PCR
68	Actin	antisense	5'-ACA TGG CTG GGG TGTGA AG-3'	
69	HOXA5	sense	5'-TTAGCGGTGGCGTTCG-3'	methylated DNA
70	HOXA5	antisense	5'-ATACGACTTCGAATCACGTA-3'	
71	HOXA5	sense	5'-TTGGTGAAGTTGGGTG-3'	unmethylated
72	HOXA5	antisense	5'-AATACAACCTCAAATCACATAC-3'	
73	HOXA5	sense	5'-ATTTTGTATAATGGGTGTGAAT3'	
74	HOXA5	antisense	5'-AACATATACTTAATTCCTCC-3'	
75	HOXA5	sense	5'-TCATTTTGC GGTCGCTATCC-3'	RT-PCR
76	HOXA5	antisense	5'-GCCGGCTGGCTGTACCTG-3'	
77	NES-1	sense	5'-TTGTAGAGGTGGTGTGTTT-3'	unmethylated
78	NES-1	antisense	5'-CACACAATAAAACAAAAACCA -3'	
79	NES-1	sense	5'-TTCGAAGTTTATGGCGTTTC-3'	Methylated
80	NES-1	antisense	5'-TTATTTCCGCAATACGCGAC-3'	
81	NES-1	sense	5'-ACCAGAGTTGGGTGCTGAC-3'	
82	NES-1	antisense	5'-ACCTGGCACTGGTCTCCG-3'	
83	36B4	sense	5'-GATTGGCTACCCAACCTGTTGCA-3'	
84	36B4	antisense	5'-CAGGGGCAGCAGCCACAAAGGC-3'	
85	Estrogen Receptor	sense	5'-G GGTGTTTTT AGATTGTTGG-3	Unmethylated
86			5'-TG AGTTGTGATG GGTTTTGG-3	
87		antisense	5'-CCAAAACC CATCACAAC CA-3	

Applicants: Sukumar et al.
Application No.: 10/059,579
Filed: January 28, 2002
Page 9

SEQ ID NO:	Gene	Sense/ antisense		
88		sense	5'-AGAGTAGGCG GCGAGCGT-3	Methylated
89			5'-CGGGAAG TACGTGTTTCG T-3	
90		antisense	5'-A CGAACACGTA CTTTCCCG-3	
107	Twist	sense	5'-T TTCGGATGGG GTTGTTCATC-3	Methylated
108	Twist	antisense	5'-AAACGAC CTAACCCGAA CG-3	Methylated
109	Twist	sense	5'-TT TGGATGGGGT TGTTATTGT-3	Unmethylated
110	Twist	antisense	5'-C CTAACCCAAA CAACCAACC-3	Unmethylated
133	Twist	sense	5'-GAGATGAGATATTATTATTGTG-3	External
134	Twist	antisense	5'-AACACAATATCATTAACCTAAC-3	External
111	HIN-1	sense	5'-AGGGAAGTTTTTTTATTGGTT-3	
112	HIN-1	antisense	5'-GTGGTTTTGTTTTGTATGTTTTGGTG-3	
113	HIN-1	antisense	5'-CACCGAAACATACAAAACAAACCAC-3	
114	HIN-1	sense	5'-GTTTGTTAAGAGGAAGTTT-3	External
115	HIN-1	antisense	5'-CACCGAAACATACAAAACAAACCAC-3	External
116	HIN-1	sense	5'-GGTACGGGTTTTTTACGGTTCGTC-3	Methylated
117	HIN-1	antisense	5'-AACTTCTTATACCCGATCCTCG-3	Methylated
118	HIN-1	sense	5'-GGTATGGGTTTTTTATGGTTTGTT-3	Unmethylated
119	HIN-1	antisense	5'-CAAACTTCTTATACCCAATCCTCA-3	Unmethylated
122	RASSF1A	sense	5'-GGGAGTTTGAGTTTATTGAGT-3	External
123	RASSF1A	antisense	5'-ACCCCTTAACCTACCCCTTC-3	External
124	RASSF1A	sense	5'-GTTGGTATTC GTTGGGCGC -3	Methylated
125	RASSF1A	sense	5'-[GTTGGGCGC]GCACCACGTATACGTAACG -3	Methylated
126	RASSF1A	antisense	5'-GCACCACGTATACGTAACG-3	Methylated
127	RASSF1A	sense	5'-GGTTGTATTTGGTTGGAGTG-3	Unmethylated
128	RASSF1A	antisense	5'-CTACAAACCTTTACACACAACA-3	Unmethylated